



Roof

Location: The Roof (7th Floor) is only accessible from the Central Staircase.

Starting Point: From the top stair landing - Enter through the hollow-metal door with the elevated threshold. You were facing it as you reached the top.

Ending Point: Exit through the same door then enter the door immediate to the right (north).



As a design-build enhancement, a portion of the curtain wall generates solar electricity becoming the first example of building integrated PV (BIPV) systems being designed into new Sacramento buildings under the SMUD BIPV program.



Looking north - Photovoltaic panels form mechanical equipment screens on Blocks 171-174.



On-site power generation for all five buildings comes from over 5,500 photovoltaic panels producing up to 160 kilowatts of free and clean electricity. Equivalent to the consumption of 50 local homes.



The “cool” roofing material is made with 100% rubber from Firestone and is therefore 100% recyclable and contains no PVC or its by-products.

Benefits of the thermoplastic membrane roofing system:

- Reflects +70% of solar radiation/sunlight.
- Lowers roof temperature to 15°-25°F above the ambient temperature.
- Lower roof temperatures extend the life of the roof.
- Lowers cooling loads by 10-15%, extending the life of cooling equipment.
- Lower peak electrical demand.
- Reduced energy consumption contributes to reduced pollution.
- Typical paybacks based solely on energy savings are 1-3 years.
- Reduces urban heat islands.
- ENERGY STAR labeled product.



A small roof-top terrace was built entirely of FSC-certified redwood.



Look over the parapet and you’ll see city streets paved with rubberized asphalt concrete (RAC). This City-State partnership was made possible by a \$240,000 grant from the California Integrated Waste Management Board (CIWMB) and will serve as case study for future city RAC projects.



Paving the streets around the East End Complex with RAC consumed about 11,000 waste tires, creates a quieter driving surface, and requires less maintenance.